

Govee H5100

Govee Hygrometer Thermometer H5100 User Manual

Model: H5100 | Brand: Govee

1. PRODUCT OVERVIEW

The Govee Hygrometer Thermometer H5100 is a compact Bluetooth temperature and humidity sensor designed for accurate environmental monitoring. It offers smart alert notifications, extensive data storage, and can connect to a Govee Wi-Fi Gateway (H5151) for remote access.

- **Sensor for H5151 Hub:** Connects with the Govee Wi-Fi Gateway H5151 to work as a Wi-Fi hygrometer, allowing you to monitor indoor and outdoor temperature and humidity without distance limitations.
- **Compact Design:** The thermometer hygrometer's design fits in the palm of your hands, making it small enough to fit in potted plants, reptile vivariums, and other small spaces.
- **Effective Wide Range:** Swiss-made sensors provide a wide range for detecting humidity and temperature. The temperature range is between $\pm 0.54^{\circ}\text{F}/\pm 0.3^{\circ}\text{C}$, while the humidity measurement range is between 0%-99%RH for more accurate measurements.
- **Smart Alert Notifications:** Determine preset ranges for your temperature and humidity on the Govee Home App. When the presets are out of range, you'll receive an immediate notification on your phone.
- **Data Storage & Export:** Our free cloud service allows for 2-year data storage and export. Keep track of recent temperature and humidity records via curve graphs and track your historic 2-year data in a CSV file.

2. SETUP GUIDE

2.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Ensure the hygrometer sensor (H5100) and any accompanying accessories are present and undamaged.

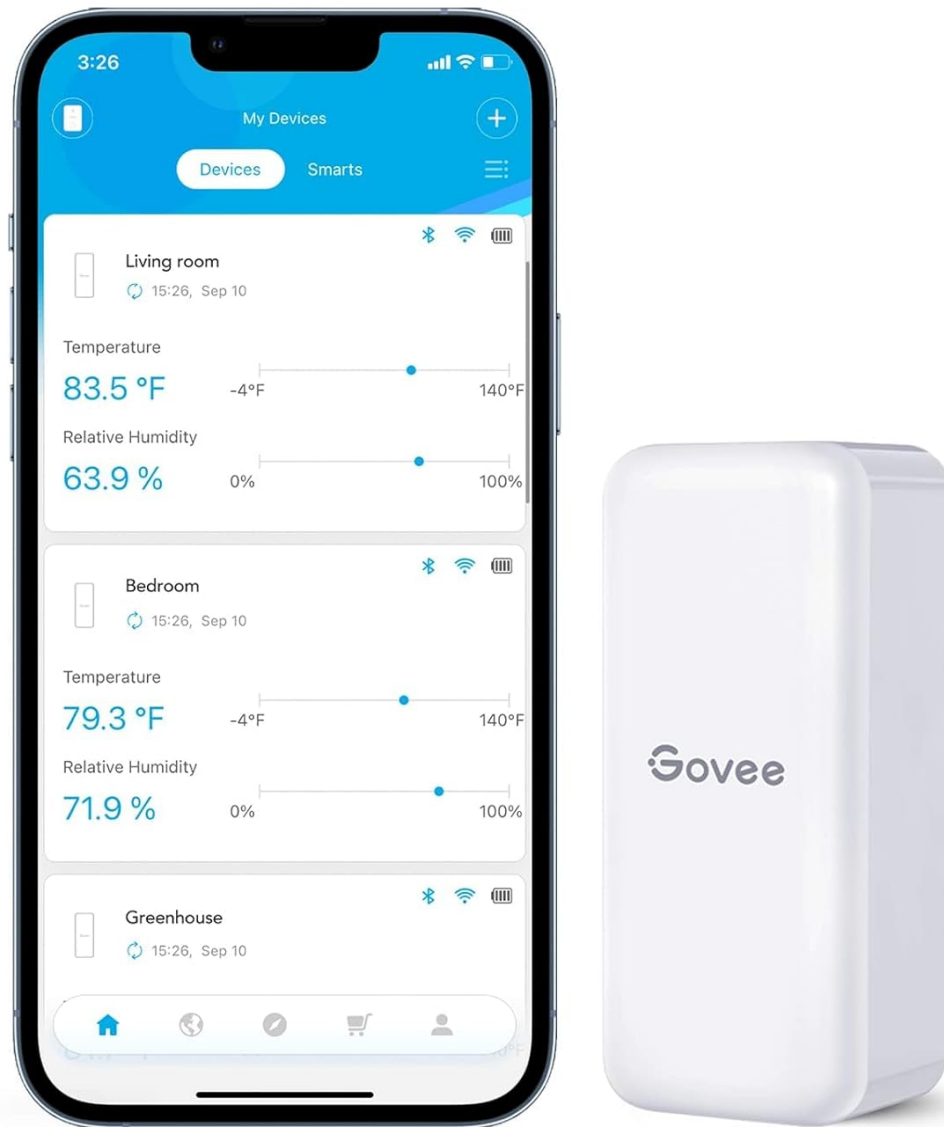


Figure 2.1: Govee H5100 sensor and Govee Home App interface.

2.2 Installing the Sensor

The H5100 sensor is designed to be compact and discreet. It can be placed in various locations such as potted plants, reptile vivariums, or other small spaces where temperature and humidity monitoring is desired.

Compact Size

Conveniently fits smaller spaces for effective monitoring



Figure 2.2: Compact size of the Govee H5100 sensor.

2.3 Connecting to the Govee Home App

1. Download the Govee Home App from your device's app store (iOS or Android).
2. Open the app and create an account or log in.
3. Follow the in-app instructions to add your H5100 device. Ensure Bluetooth is enabled on your smartphone.
4. For remote monitoring beyond Bluetooth range, connect the H5100 to a Govee Wi-Fi Gateway (H5151, sold

separately). The gateway plugs into a standard wall outlet and extends the sensor's connectivity via Wi-Fi.

230ft Bluetooth Range

Monitor the temperature and humidity

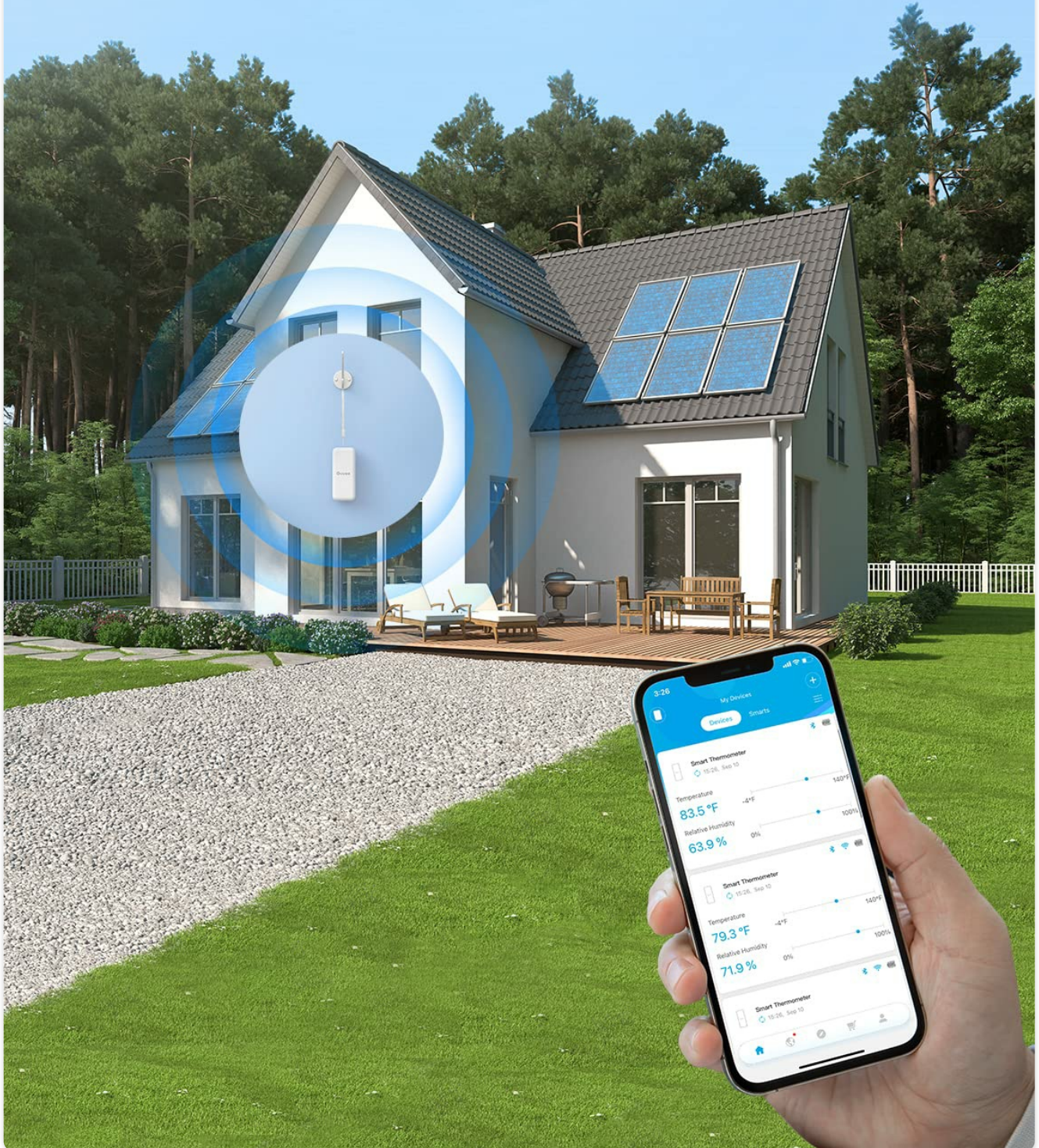


Figure 2.3: Bluetooth range and Wi-Fi Gateway connectivity.

3. OPERATING INSTRUCTIONS

3.1 Monitoring Temperature and Humidity

Once connected, the Govee Home App provides real-time temperature and humidity readings from your H5100

sensor. The Swiss-made sensors ensure high accuracy:

Temperature Accuracy: $\pm 0.54^{\circ}\text{F}$ / $\pm 0.3^{\circ}\text{C}$

Working Temperature Range: -4°F to 140°F

Humidity Accuracy: $\pm 3\% \text{RH}$

Working Humidity Range: 0% - $99\% \text{RH}$

Quick & Reliable Monitoring

Reliable data with swiss-made precision sensors

Temp Accuracy: $\pm 0.54^{\circ}\text{F}$
Working Temp: -4°F - 140°F

Humidity Accuracy: $\pm 3\% \text{RH}$
Working Humidity: 0% - $99\% \text{RH}$



Figure 3.1: Quick and reliable monitoring with precision sensors.

3.2 Smart Alert Notifications

Set custom temperature and humidity ranges within the Govee Home App. If readings fall outside these preset ranges, you will receive an immediate notification on your smartphone, allowing for timely intervention.

3.3 Data Storage and Export

The Govee Home App provides access to up to 2 years of historical temperature and humidity data. This data can be viewed as curve graphs within the app or exported as a CSV file for further analysis.

Track Your Temp & Humidity

Record and export up to 2 years of data



4. MAINTENANCE

The Govee H5100 Hygrometer Thermometer is designed for low maintenance. Keep the sensor clean and free from dust or debris to ensure accurate readings. The device operates on batteries, which have a long lifespan, often lasting up to a year or more depending on usage and reporting frequency settings.

When replacing batteries, ensure to use high-quality, reliable batteries for optimal performance and longevity. The device is built to be sturdy and durable for long-term use.

5. TROUBLESHOOTING

5.1 Connectivity Issues

If you experience difficulty connecting the sensor to the Govee Home App:

- Ensure Bluetooth is enabled on your smartphone and the sensor is within range (up to 230 feet).
- Verify that the Govee Home App is updated to the latest version.
- If using a Govee Wi-Fi Gateway (H5151), ensure it is properly plugged in and connected to your home Wi-Fi network.
- Restart the Govee Home App or your smartphone.
- If issues persist, try creating a Govee account if you haven't already, as some app functionalities and device connections may be optimized with an account.

5.2 Inaccurate Readings

If you suspect inaccurate readings:

- Ensure the sensor's vents are not obstructed by dust, debris, or placement against a surface.
- Allow the sensor sufficient time (at least 30 minutes) to stabilize after placement or significant environmental changes.
- Avoid placing the sensor in direct sunlight, near heat sources, or in areas with extreme drafts, as these can affect accuracy.

6. SPECIFICATIONS

Feature	Detail
Model Number	H5100
Brand	Govee
Temperature Accuracy	±0.54°F / ±0.3°C
Humidity Accuracy	±3%RH
Working Temperature Range	-4°F to 140°F
Working Humidity Range	0% - 99%RH
Connectivity	Bluetooth (230 feet range), Wi-Fi via H5151 Gateway
Data Storage	2 Years (Cloud Service)

Dimensions	0.95"W x 2.21"H
Mounting Type	Wall Mount

7. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official Govee website or contact Govee customer service directly. A comprehensive User Manual in PDF format is also available for download:

[Download User Manual \(PDF\)](#)

You can also visit the official Govee Store for more products and support:

[Visit Govee Store](#)